Acrydur™ - Accelerator 440 (USA)

PLASTI CHEMIE
Produktionsgesellschaft mbH

Low-viscous activator for the application as accelerator in MMA resins

Application: Thanks to its low viscosity, Acrydur™ Accelerator 440 is suitable as an Accelerator for MMA coating resins applied at low soil temperatures.

Characteristics: Acrydur™ Accelerator 440 may be used for the production of low-viscous coating compounds made from Acrydur™ 332 N, 418 N and 510 N in combination with mineral filling material and colored pigments. The addition of Accelerator 440 shortens the curing time and thus demonstrates a lower viscosity of the coating compound, which finally results in a good distribution at low soil temperatures.

Characteristic data:

Delivery form	liquid, slightly cloudy	
Flow time	10 - 16 sec (68°F)	DIN flow cup, 4mm
Curing	10 - 20 min (68°F)	
Density	8.3454 lb/gal	(68°F)
Flashpoint	50°F	
Shelf life	In the original container, dark at < 65°F maximum 6 months	

Processing Notes: Acrydur™ 440 is being used together with the coating compound directly on site.

Suggested formulation:

Coating

20 ppW Acrydur™ 418 N
2 ppW Acrydur™ Accelerator 440
60 ppW colored quarz sand 15 - 30 mesh

Smooth-trowelled

20 ppW Acrydur™ 418 N
2 ppW Acrydur™ Accelerator 440
60 ppW colored quarz sand 15 - 30 mesh

Processing: Mix Acrydur™ 440 and the coating resin Acrydur™ 418 N for ca. 1 minute in a suitable vessel. Add Acrydur™ Hardener 50 W. Add dry filling material to the prepared resin compound and homogenize for 2 minutes. Apply and smooth with a squeegee and a smoothing trowel on the underground primed with Acrydur™ 112 N.

Plasti Chemie Produktionsgesellschaft mbH
Falgardring 1
D – 08223 Falkenstein / Germany
Telefon: +49 (0) 37 45 / 744 32-0
Telefax: +49 (0) 37 45 / 744 32-27
Email: info@plasti-chemie.de
Internet: www.plasti-chemie.de

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Pot life and curing times depending on temperature:

Further coating layers with Acrydur™ must only be applied after the previous layers have completely cured.

Temperature [°F]	Hardener [Vol-%] *	Pot life [min]	Curing time [min]
+ 41	4	~ 10	~ 30
+ 50	3	~ 15	~ 25
+ 68	2	~ 7	~ 20
+ 86	1.5	~ 4	~ 18

* Hardener quantity calculated on pure resin (Hardener 50 W)

Attention: Hardener quantities below 1 Vol. % may cause polymerisation failures!

Storage: The handling-regulations for highly flammable materials apply to methacrylate – resins. Acrydur™ resins are to be stored cool, protected against direct sunlight and preferably at temperatures of 59 - 68 °F. During storage paraffin – particles and filler – materials may precipitate. Thus before processing, containers have to be stirred up well. Please mind the advice on our safety data sheets.

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